AF/2700

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: RODRIGUEZ ET AL.  ART GROUP: 2611
APPL. NO.: 09/590,521  EXAMINER: V. SRIVASTAVA
FILED: JUNE 9, 2000  DOCKET NO.: A-5704
TITLE: SYSTEMS AND METHODS FOR ADAPTIVE SCHEDULING AND DYNAMIC BANDWIDTH RESOURCE ALLOCATION MANAGEMENT IN A DIGITAL BROADBAND DELIVERY SYSTEM

June 19, 2002

RECEIVED

JUL 0 1 2002

Technology Center 2600

Box AF
Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

1. X    5 page Amendment with Transmittal in duplicate
2. X    Exhibits A and B
3. X    Return postcard

The fee has been calculated as shown below:

| (COL. 1) | | (COL. 2) | (COL. 3) | SMALL ENTITY | | OTHER THAN A SMALL ENTITY | |
|---|---|---|---|---|---|---|---|
| CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE | ADDIT. FEE | OR RATE | ADDIT. FEE |
| TOTAL | * 14 | ** 29 | = 0 | X9= | $ | X18= | $ 0.00 |
| INDEP | * 3 | ***11 | = 0 | X42= | $ | X84= | $ 0.00 |
| ☐ FIRST PRESENTATION OF MULTIPLE DEP. CLAIM | | | | +140= | $ | +280= | $ |
| | | | | TOTAL ADD FEE $ | | OR TOTAL | $ 0.00 |

\*        If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
\*\*      If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
\*\*\*    If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior Amendment or the number of claims originally filed.
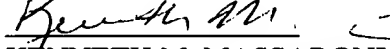
☐     Please charge my Deposit Account No. 19-0761 in the amount of $0.00 .

☐     A check in the amount $     to cover the additional fee is enclosed.

☒     The Commissioner is hereby authorized to charge any deficiency in payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 19-0761.

       ☒     Any additional filing fees required under 37 C.F.R. § 1.16 for the presentation of extra claims.

       ☒     Any patent application processing fees under 37 C.F.R. § 1.17.

**RECEIVED**

**JUL 0 1 2002**

**Technology Center 2600**

Respectfully submitted,

**SEND CORRESPONDENCE TO:**     By: _Kenneth M. Massaroni_

                                               KENNETH M. MASSARONI

Scientific-Atlanta, Inc.                            Attorney of Record

Intellectual Property Dept. MS 4.3.518     Reg. No.: 33,015

5030 Sugarloaf Parkway                    Phone: (770) 236-4717

Lawrenceville, GA 30044                   Fax No. (770) 236-4806

---

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Box AF
Commissioner for Patents
Washington, DC 20231

on June 19, 2002.

_Maryellen Licker_
Maryellen Licker

2

#11/C
W.Lawson
7/2/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

June 19, 2002

Box AF
Commissioner for Patents
Washington, DC 20231

RECEIVED
JUL 0 1 2002
Technology Center 2600

## AMENDMENT AFTER FINAL OFFICE ACTION

Sir:

This is in response to the Office Action mailed May 23, 2002, the time for responding thereto being set to expire on August 23, 2002 without extension. Please amend the above-identified application as follows:

### In The Claims:

Attached as Exhibit A is a version of all claims with markings to show changes made where the addition of language is illustrated by underline and the deletion of language with brackets. Attached as Exhibit B is a version of all pending claims in clean, unmarked form.

2. (Thrice Amended) The bandwidth allocation manager of claim [30] 27, wherein the at least two different content delivery modes are selected from the group consisting of broadcast, pay-per-view, video-on-demand, and near video-on-demand.

3. (Thrice Amended) The bandwidth allocation manager of claim [30] 27, wherein at least one content delivery mode comprises a video content delivery mode wherein at least three instances of a same video content are transmitted at time-spaced intervals of varying length.